

Amendments to the Specification:

Please replace the paragraph at page 30, line 33 through page 31, line 10, with the following paragraph:

--The coring process can be automated using core needles coupled to a motor or some other source of electrical or mechanical power. In one embodiment of the invention, a microarray 13 is generated using a Beecher Instruments Tissue Microarrayer (Beecher Instruments, Silver Springs, MD), or an automated microarray 13 as described in U.S. Patent No. 6,103,518, the entirety of which is incorporated by reference herein. These devices basically consist of a turret containing two hollow core borer needles, one larger than the other, mounted on a platform with a spring mechanism. The smaller needle removes a core from the recipient block while a larger needle removes a core of tissue from the donor tissue block by means of stylet(s). The stylet is inserted into the smaller needle thereby injecting the donor tissue core into the hole made in the recipient block, while the same, or another, stylet is used to remove embedding media remaining in the smaller core borer needle, permitting its reuse. The stylets described in U.S. Patent No. 6,103,518, are designed primarily for use with paraffin tissue sections. Stylets which are designed especially for use in arraying frozen tissues are described in U.S. Patent Application Serial No. ~~_____~~6,716,619, filed February 8, 2000, entitled "Stylet For Use With Tissue Microarrayer and Molds," ~~Attorney Docket No. 5568/1070~~ and U.S. Design Application Serial No. 29/131,964 filed October 31, 2000 (the entireties of which are incorporated by reference herein).--

Please replace the paragraph at page 31, line 19 through line 28, with the following paragraph:

-- Large format microarrays 13 can be used alone or in conjunction with small format microarrays 13 (microarrays 13 in which individual sublocations 13s are less than 0.6 mm in diameter). In one embodiment of the invention, a large format microarray 13 is used in conjunction with a small format microarray 13 derived from the same patient's tissue sample. In this embodiment, the large format microarray 13 can be used to demonstrate that the biological characteristics of the smaller sublocations of the small format microarray 13 are representative of the biological characteristics within a larger sample. Methods of constructing large format microarrays 13 are disclosed in U.S. Patent Application Serial No. 09/780,982~~_____~~, filed February 8, 2001, entitled, "Large Format Microarrays" (~~Attorney Docket No. 5568/1050~~), the entirety of which is incorporated by reference herein. --

Please replace the paragraph at page 32, line 1 through line 4, with the following paragraph:

--Other methods of generating microarrays 13 are described in U. S. Provisional Application Number 60/213,321, the entirety of which is incorporated by reference herein, and in WO 99/44062 and WO 99/440632, incorporated entirely by reference herein, and are encompassed within the scope of the instant invention.--